

# **GRANGER CAUSALITY BETWEEN GDP AND ECONOMIC SECTORS IN DEVELOPING COUNTRIES: A PANEL CO-INTEGRATION APPROACH**

Sima Siami-Namini

Graduate Research Assistant and Ph.D. Student.  
Department of Agricultural and Applied Economics  
Texas Tech University

Email: [sima.siami-namini@ttu.edu](mailto:sima.siami-namini@ttu.edu).

Submitted: August 2017